

About Annamacharya University

Annamacharya University, Rajampet, is a private university established under the brown field category in 2024. It is governed by the Andhra Pradesh Private Universities (Establishment and Regulations) Act No. 3 of 2016 and G.O.Ms.No.13, Higher Education (UE) Department, dated 13.03.2024, which was approved by the Government of Andhra Pradesh. Our primary focus is to cater to the evolving needs of both industry and society. Annamacharya University is sponsored by the Annamacharya Educational Trust (AET), Rajampet. Annamacharya University envisions becoming a Center of Excellence by implementing new initiatives. This involves creating world-class infrastructure, expanding international collaborations, developing innovative programs, establishing industrial tie-ups, recruiting well-qualified and trained faculty, promoting talent, nurturing research and innovation, and fostering outreach activities with sustainable funding. The campus spans across 100+ acres of land and comprises academic, administrative, and amenities blocks with state-of-the-art infrastructure. It fosters a diverse atmosphere, attracting a diverse student body from around the world. This environment facilitates access to experienced teaching faculty who possess international qualifications, nurturing students' creative abilities for innovative solutions through knowledge partnerships. Our programs incorporate new-age technologies and innovative curriculum to equip students with the skills necessary to navigate the rapidly evolving world.

We are committed to achieving global standards in research and publications, driving us towards an unwavering pursuit of academic excellence. Through Memorandums of Understanding (MOUs) with various international universities, we facilitate student and faculty exchanges, fostering academic and research immersion programs that promote international collaborations for the mutual benefit of the university and its stakeholders. Additionally, we provide our students with exposure to a range of national and international companies through internship programs, ensuring the best in-campus placements opportunities.

Chief Patron's

Dr. C. Gangi Reddy, Chancellor, Annamacharya University, Rajampet.

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Annamacharya University, Rajampet.

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FIVE-DAY ONLINE FACULTY DEVELOPMENT PROGRAMME ON "Advanced Power and Energy Networks: AI, Cybersecurity, and Quantum Communication for EV-Integrated Smart Grids"

Dates: 23rd – 27th February 2026

Organised by

Department of EEE

Annamacharya University, Rajampet

New Boyanapalli, Rajampet – 516126.



www.aitsrajampet.ac.in

SDG's
Mapping:

SDG 4, SDG 7, SDG 9,
SDG 11, SDG 13, SDG 17

About the EEE Department

The department of Electrical and Electronics Engineering started in the academic year 1998-99 as key entity of Annamacharya Institute of Technology and Sciences under the affiliation of JNTU with an intake of 40 students, and increased to 60, 120, 180 and 240 subsequently. Since then, there has been consistent development in all spheres including infrastructure facilities, staff development and student development. The programmes offered by the department under the JNTU were brought under the ambit of Annamacharya University from the academic year 2024-25.

The department offers B.Tech. (Electrical and Electronics Engineering), M. Tech (Electrical Power Systems) and Ph. D in Engineering. The Programme B.Tech. in Electrical and Electronics Engineering has accredited by the National Board of Accreditation (NBA).

Organizing committee

- **Dr. M. Padma Lalitha**, Prof., Dept. of EEE.
- **Dr. O. Hemakesavulu**, Prof., Dept. of EEE.
- **Dr. Pasala Gopi**, Asso. Prof., Dept. of EEE.
- **Dr. S. Suresh**, Asso. Prof., Dept. of EEE.
- **Dr. K. Dhananjaya Babu**, Asst. Prof., Dept. of EEE.
- **Dr. J. Sreeranganayakulu**, Asst. Prof., Dept. of EEE.
- **Dr. P. Bhaskara Prasad**, Asst. Prof., Dept. of EEE.
- **Dr. K. Harinath Reddy**, Asst. Prof., Dept. of EEE.
- **Dr. S. Sarada**, Asst. Prof., Dept. of EEE.
- **Dr. Palepu Suresh Babu**, Asst. Prof., Dept. of EEE.
- **Dr. S. Muqthiar Ali**, Asst. Prof., Dept. of EEE.
- **Dr. C. Ganesh**, Asst. Prof., Dept. of EEE.
- **Dr. K. Vijaya Bhaskar**, Asst. Prof., Dept. of EEE.
- **Dr. N. Chinna Alluraiah**, Asst. Prof., Dept. of EEE.

About Programme

The rapid integration of **Electric Vehicles (EVs)**, **renewable energy sources**, and **digital intelligence** is transforming modern power systems into complex cyber-physical networks. Emerging technologies such as **Artificial Intelligence (AI)**, **Cybersecurity frameworks**, and **Quantum Communication** play a crucial role in ensuring the **efficiency, reliability, security, and resilience** of next-generation smart grids.

This **five-day National Faculty Development Programme** aims to provide participants with **advanced theoretical knowledge and practical insights** into intelligent power and energy networks, secure grid communication, and EV integration challenges. The programme is designed to bridge the gap between **academia, research, and industry practices**.

Objectives of FDP

- To provide in-depth knowledge of **AI-driven power and energy systems**
- To understand **cybersecurity threats and protection mechanisms** in smart grids
- To introduce **quantum communication concepts** for secure power system operation
- To explore **EV integration, V2G, and G2V technologies**
- To promote **research, innovation, and interdisciplinary collaboration**

Outcomes of FDP

At the end of the FDP, participants are expected to:

- Apply **AI techniques** for power system analysis and optimization
- Identify and mitigate cybersecurity risks in smart grids
- Understand **quantum communication** principles for secure energy systems
- Analyze **EV integration challenges** and future grid requirements
- Initiate **research proposals and publications** in advanced power technologies

Resource Persons

- **Mr. B. Vallab Rao**, Managing director, PHYTEC Embedded Pvt. Ltd., Bangalore
- **Mr. Dhiraj Churasiya**, Revolutionizing Electric Mobility, AGM R&D- Kinetic, Chair IEEE YP, Pune, Ex- Head VI, Tork Motors, Pune
- **Mr. Deepesh Kumar B**, Managing Director, EV Retron Engineers India Pvt. Ltd., Telangana
- **Dr. R. Vijayaraghavan**, Managing Director, VI Microsystem Pvt. Ltd. Chennai
- **Dr. S. Prabhakar**, Chief Technology Officer, BTI Ignite Incubation council, Bangalore

- **Mr. Chandrasekhar Reddy Gade**, Senior Engineer, Nidec Industrial Automation India Pvt. Ltd, Chennai.
- **Dr. A. Rini Ann Jerin**, Product Engineer, Cellex Battery Systems, Coimbatore.
- **Dr. Shaik Ahmad**, Principal Data Scientist, Recode Solutions, Chennai
- **Dr. Vijaya Bhaskar Reddy**, Deputy Manager, TVS Motors, Bangalore.

Instructions To Participants

TARGET PARTICIPANTS

- Faculty members of **Engineering Colleges / Universities**
- Research Scholars
- Industry Professionals

GUIDELINES

- Registration Fee is 100/-
- Participants will be selected on First-Come First-Serve basis.
- An evaluation test will be conducted at the end of the FDP.
- E-Certificate will be issued based on the attendance percentage (>80%), test score (>70%) and submission of feedback.

REGISTRATION :

To register for the FDP Scan the QR Code:



Or Clik on the below link

<https://shorturl.at/71780>

Last Date for Applying FDP: 18.02.2026

Confirmation of Participation: 21.02.2026

Event Details

Mode of Conduct	: On line
Timing	: 10 AM to 12 PM and 02 PM TO 04 PM
Platform	: Zoom Meeting / Google Meet / Webex/MS Teams